NEW ENGLAND TELEPHONE AND TELEGRAPH COMPANY

COMMONWEALTH OF MASSACHUSETTS

D.T.E. 98-57 Phase III

Respondent: Amy Stern

Title: Director-Telecom Industry Services

REQUEST:	Rhythms Links Inc. and Covad Communications Company, Set #1
DATED:	June 5, 2000
ITEM: RL/CVD 1-25	Please provide a complete copy of any existing correspondence between one or more of BAMA, its parent, Bell Atlantic, or any affiliate and vendors related to incremental OSS changes hat BAMA anticipates it might incur for line sharing associated with its pre-order, order and billing systems.
SECOND SUPPLEMENTAL REPLY:	The attachment to BA-MA's Supplemental Reply to RL/CVD 1-25 is the only readily available information.

NET# 556S

NEW ENGLAND TELEPHONE AND TELEGRAPH COMPANY

COMMONWEALTH OF MASSACHUSETTS

D.T.E. 98-57 Phase III

Respondent: Amy Stern

Title: Director-Telecom Industry Services

REQUEST:	Rhythms Links Inc. and Covad Communications Company, Set #1
DATED:	June 5, 2000
ITEM: RL/CVD 1-26	Please provide a complete copy of any existing correspondence between one or more of BAMA, its parent, Bell Atlantic, or any affiliate and its vendors related to incremental OSS changes that BAMA anticipates it might incur for line sharing associated with updating inventory and provisioning systems.
SECOND SUPPLEMENTAL REPLY:	See BA-MA's Second Supplemental Reply to RL/CVD 1-25.

NET# 557S

NEW ENGLAND TELEPHONE AND TELEGRAPH COMPANY

COMMONWEALTH OF MASSACHUSETTS

D.T.E. 98-57 Phase III

Respondent: Amy Stern

Title: Director-Telecom Industry Services

REQUEST: Rhythms Links Inc. and Covad Communications Company, Set #1

DATED: June 5, 2000

ITEM: RL/CVD 1-27 Please provide a complete copy of any existing correspondence between one or more of BAMA, its parent, Bell Atlantic, or any affiliate and its vendors related to incremental OSS changes that BAMA anticipates it might incur for line sharing associated with testing and maintenance.

SECOND SUPPLEMENTAL REPLY: See BA-MA's Second Supplemental Reply to RL/CVD 1-25.

NET# 558S

NEW ENGLAND TELEPHONE AND TELEGRAPH COMPANY

COMMONWEALTH OF MASSACHUSETTS

D.T.E. 98-57 Phase III

Respondent: Bruce Meacham

Title: Senior Specialist

REQUEST: Rhythms Links Inc. and Covad Communications Company, Set #1

DATED: June 5, 2000

ITEM: RL/CVD 1-51 Does the retail ADSL cost study submitted with Bell Atlantic's FCC tariff for that service include any cost for electronics or fiber facilities associated with feeder facilities? If BAMA's answer is anything other than an unqualified "no," please provide the following:

a. A detailed description of what costs were included for feeder fiber and of how those costs were calculated.
b. A detailed description of what FDI or RT electronics costs were included and of how those costs were calculated.
c. A detailed description of what central office line termination electronics costs were included and of how those costs were calculated.
d. A detailed description of what DLC electronics costs were included and of how those costs were calculated.

SECOND SUPPLEMENTAL REPLY:

Please see the confidential attachment to BA-MA's Supplemental Reply to RL/CVD 1-51 for more details on Bell Atlantic's retail FCC filing. It should be noted that Bell Atlantic has not deployed the network design reflected in the retail FCC filing.

a. The outside plant loop design for Massachusetts contained in the retail ADSL cost study submitted with Bell Atlantic's FCC tariff filing assumed 27.14% fiber feeder. This represents the cost of fiber feeder to carry the *data* signal only, since the cost of the voice signal is already covered by the basic service. The fiber feeder cables were assumed to be 1.62 miles in length and to contain 144 fibers. The length of the fiber feeder cable was split between 42.26% aerial and 57.74% underground. The average installed investments per foot for aerial fiber cable pairs and underground fiber cable pairs (with 85% utilization) were multiplied by the lengths of each to produce the total fiber pair investments with utilization. These costs were then reduced to an average investment per ADSL circuit using average number of circuits per RT and percentage of total circuits fed from RT factors to calculate the investments per ADSL circuit for aerial and underground fiber feeder. These calculations are contained on Page 14 of the confidential attachment to BA-MA's Supplemental Reply to RL/CVD 1-51.
b. The RT electronics costs included Common Control equipment, including spares, and ADSL cards. The installed investment (discounted, with 85% utilization) per Common Control unit for a complete system (CO plus RT) was converted to an investment per ADSL circuit by dividing the installed investment by the number of circuits per Common Control unit. In addition, costs for spare equipment were calculated. These calculations are contained on Page 12 of the confidential attachment to BA-MA's Supplemental Reply to RL/CVD 1-51. One ADSL card was assumed to support four ADSL circuits to end-users. The installed investment (with 85% utilization) per card was converted to an investment per ADSL circuit by

dividing the installed investment by four. These calculations are contained on Page 13 of the confidential attachment to BA-MA's Supplemental Reply to RL/CVD 1-51. The portion of the total ADSL investments in the RT was calculated using 27.14%, the percentage of circuits fed from RTs. The RT investments for ADSL Litespan Equipment – In RT, Spares – In RT, and ADSL Card – In RT are contained on Page 2 of the confidential attachment to BA-MA's Supplemental Reply to RL/CVD 1-51.

c. The central office line termination electronics costs, the Litespan Equipment – In CO, Spares – In CO, and ADSL Card – In CO, were calculated as 72.86% (the complement of 27.14%) of the total ADSL investments in Item b) above, and represents the percentage of circuits fed from COs. The RT investments for ADSL Litespan Equipment – In CO, Spares – In CO, and ADSL Card – In CO are contained on Page 2 of the confidential attachment to BA-MA's Supplemental Reply to RL/CVD 1-51.

d. There were no Digital Loop Carrier (DLC) system costs assigned to the retail ADSL FCC filing since these costs were already covered by basic voice services.

NET# 582S

NEW ENGLAND TELEPHONE AND TELEGRAPH COMPANY

COMMONWEALTH OF MASSACHUSETTS

D.T.E. 98-57 Phase III

Respondent: Amy Stern

Title: Director-Telecom Industry Services

REQUEST: Rhythms Links Inc. and Covad Communications Company, Set #1

DATED: June 5, 2000

ITEM: RL/CVD 1-59 If BAMA, Bell Atlantic or any affiliate has obtained quotations from its vendors relative to prices for upgrading its existing DLC systems to support DSL services, please provide a complete copy of those quotations and of any related description of the upgrade process and capacity. Please provide any related contracts between any of BAMA, Bell Atlantic or any affiliate and vendors, including all discount provisions.

SECOND SUPPLEMENTAL REPLY: The information provided in BA-MA's Supplemental Reply to RL/CVD 1-59 is a preliminary cost estimate developed by BA-MA and is not based on any cost quotation from vendors or specific contracts relating to such upgrades. As stated in that reply, the cost estimate would not be applicable in all cases, *e.g.*, where older DLC equipment or site conditions would preclude any type of upgrade.

Attached is a description of the upgrade process, which is also preliminary and not necessarily all-inclusive. Because this description contains vendor-specific information, it is considered proprietary and competitively sensitive, and is provided subject to a suitable protective agreement.

NET# 590S

NEW ENGLAND TELEPHONE AND TELEGRAPH COMPANY

COMMONWEALTH OF MASSACHUSETTS

D.T.E. 98-57 Phase III

Respondent: Amy Stern

Title: Director-Telecom Industry Services

REQUEST: Rhythms Links Inc. and Covad Communications Company, Set #1

DATED: June 5, 2000

ITEM: RL/CVD 1-96 Please provide any cost support that Bell Atlantic submitted to the FCC for Infospeed DSL.

SECOND SUPPLEMENTAL REPLY: The cost documentation provided in BA-MA's Supplemental Reply to RL/CVD 1-51 supports the Infospeed DSL cost study, but was not filed with the FCC. The complete information filed by Bell Atlantic with the FCC is contained in BA-MA Supplemental Reply to RL/CVD 1-96.

NET# 615S

NEW ENGLAND TELEPHONE AND TELEGRAPH COMPANY

COMMONWEALTH OF MASSACHUSETTS

D.T.E. 98-57 Phase III

Respondent: Bruce Meacham

Title: Senior Specialist

REQUEST: Rhythms Links Inc. and Covad Communications Company, Set #1

DATED: June 5, 2000

ITEM: RL/CVD 1-101 Has Bell Atlantic Corporation any estimate of the cost that was incurred to modify its OSS to provide its retail DSL service in a line sharing arrangement? If so, please provide a complete copy of that documentation. Please note that this request specifically includes information that is in draft format or otherwise under development.

REPLY: The most current cost estimate for BA-MA to modify its OSS to provide either retail DSL service or wholesale DSL service in a line sharing arrangement can be found on Page 18 of the confidential attachment to BA-MA's Supplemental Reply to RL/CVD 1-51.

NET# 632

NEW ENGLAND TELEPHONE AND TELEGRAPH COMPANY

COMMONWEALTH OF MASSACHUSETTS

D.T.E. 98-57 Phase III

Respondent: Bruce Meacham

Title: Senior Specialist

REQUEST: Rhythms Links Inc. and Covad Communications Company, Set #3

DATED: June 29, 2000

ITEM: RL/CVD 3-4

Please refer to RL/CVD 1-53. That question sought information regarding assumptions in the retail ADSL cost study submitted *to the FCC* with Bell Atlantic's *FCC tariff* filing. However, the response BAMA provided to that question pertains to BAMA's cost studies filed in the *instant* proceeding. In order to answer the question asked in RL/CVD 1-53, please describe the outside plant loop design that was assumed in the retail ADSL cost study submitted with Bell Atlantic's *FCC tariff* filing, including an identification of the percentage of fiber feeder that was assumed, if any, and the specific electronics that were assumed to connect copper distribution to any fiber feeder facilities. Please also specify whether any DLC was assumed to be integrated or universal.

REPLY:

The outside plant loop design for Massachusetts contained in the retail ADSL cost study submitted with Bell Atlantic's *FCC tariff* filing assumed 27.14% fiber feeder, with copper distribution attached to ADSL cards in the remote terminal (RT). The DLC was not assumed to be integrated. Please see Page 13 of the confidential attachment to BA-MA's Supplemental Reply to RL/CVD 1-51 for the detailed retail fiber feeder cost calculations. Also, please see BA-MA's Second Supplemental Reply to RL/CVD 1-51.

NET# 749